

Historical Floods: Swatara Creek near Hershey, Pennsylvania

Latitude: 40.298

Flood Stage: 7 ft

Period of Record: 1975-Present

Last Flood: 2/25/2016

Longitude: -76.668

Number of Floods: 48

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code					
9/27/1975	15.36	29,400	Major	none	1/28/1996	9.11	13,500	Minor	none
1/27/1976	9.44	14,000	Minor	none	10/20/1996	8.08	11,200	Minor	none
10/10/1976	9.18	13,400	Minor	none	12/14/1996	7.36	9,640	Minor	none
3/5/1977	7.15	9,170	Minor	none	3/22/2000	8.00	11,000	Minor	none
12/21/1977	7.50	9,870	Minor	none	12/18/2000	7.32	9,560	Minor	none
1/27/1978	9.19	13,400	Minor	none	12/12/2003	7.51	9,970	Minor	none
3/27/1978	8.21	11,340	Minor	none	9/19/2004	14.27	26,000	Major	none
1/22/1979	7.12	9,110	Minor	none	9/29/2004	7.01	8,880	Minor	none
1/25/1979	14.43	26,600	Major	none	1/15/2005	7.01	8,880	Minor	none
2/26/1979	8.94	12,900	Minor	none	3/29/2005	7.51	9,970	Minor	none
4/16/1983	9.45	13,700	Minor	none	4/3/2005	8.01	11,100	Minor	none
12/14/1983	7.69	9,970	Minor	none	6/29/2006	16.12	31,700	Major	none
5/30/1984	7.19	8,960	Minor	none	10/29/2006	7.05	8,970	Minor	none
3/15/1986	7.30	9,180	Minor	none	11/17/2006	7.19	9,280	Minor	none
9/14/1987	7.85	10,300	Minor	none	3/3/2007	8.37	11,500	Minor	none
5/20/1988	8.02	10,600	Minor	none	3/6/2008	11.06	17,400	Moderate	none
5/7/1989	7.35	9,280	Minor	none	12/12/2008	7.10	8,800	Minor	none
5/17/1989	8.33	11,300	Minor	none	10/1/2010	7.63	9,890	Minor	none
11/29/1993	10.33	16,500	Moderate	none	3/7/2011	7.44	9,490	Minor	none
12/6/1993	7.62	10,200	Minor	none	3/12/2011	10.97	17,200	Moderate	none
1/20/1996	14.30	26,000	Major	none	4/17/2011	8.34	11,400	Minor	none

Drainage Area: 483 sq mi

Gage Datum: 325.94 ft MSL

Main Stem Susquehanna Basin

County of Gage: Dauphin

County of Forecast Point: Dauphin

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9/8/2011	27.22	96,900	Major	none
9/28/2011	7.40	9,390	Minor	none
11/23/2011	7.16	8,920	Minor	none
10/11/2013	7.52	9,660	Minor	none
5/1/2014	7.08	8,760	Minor	none
2/25/2016	7.84	10,300	Minor	none

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Date of Flood

Crest (ft)

Streamflow (cfs)

Category

Code

-9999 signifies missing data

MARFC Codes

Code Description

- C1 Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.
- C2 Crest information looks reliable despite potential problems. This data was used in frequency calculations.
- C3 Crest height estimated by the USGS.
- C4 Crest height is from the National Weather Service.
- C5 Crest height affected by backwater.
- C6 Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.
- C7 Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
- C8 Crest date (day) in the month is unknown.
- C9 Flow is an estimate.
- F1 Flow affected by regulation or diversion and in some cases to an unknown degree.
- F2 Flow effected by snow-melt, ice jam or debris jam break up.
- F3 Flow affected by dam failure.
- F4 Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.
- F5 Gage height at a different site and/or datum.
- G1 Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.
- G2 Gage datum changed during this year.

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